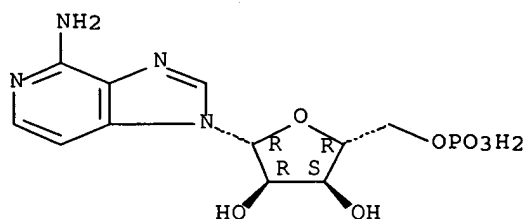


L48 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 1975:579474 HCAPLUS Full-text
 DN 83:179474
 OREF 83:28205a,28208a
 TI Nucleotides. III. Syntheses of deazaadenosine cyclic 3',5'-phosphates and related nucleotides of biological interest
 AU Mizuno, Yoshihisa; Kitano, Shigeru; Nomura, Akihiko
 CS Fac. Pharm. Sci., Hokkaido Univ., Sapporo, Japan
 SO Chemical & Pharmaceutical Bulletin (1975), 23(8), 1664-70
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English
 ED Entered STN: 12 May 1984
 GI For diagram(s), see printed CA Issue.
 AB 1-Deaza- and 3-deazaadenosine 3',5'-cyclic phosphates (analogs of 3',5'-cyclic phosphate) were synthesized from N6-acetyl-1-deazaadenosine and 3-deazaadenosine, resp. 1- And 3-deazaadenosine phosphates including 1- and 3-deazaadenosine 2',3'-cyclic phosphates (I) were also prepared Both I and II were hydrolyzed to the corresponding nucleoside 3'-phosphate by ribonuclease M. Both 1-deaza- and 3-deazaadenosine 5'-phosphate were hydrolyzed by snake venom 5'-nucleotidase to the respective deazaadenosine; the latter, however, was found to be hydrolyzed much slower.
 IT 22626-95-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and esterification of, by nitrophenol)
 RN 22626-95-5 HCAPLUS
 CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)- (CA INDEX NAME)

Absolute stereochemistry.

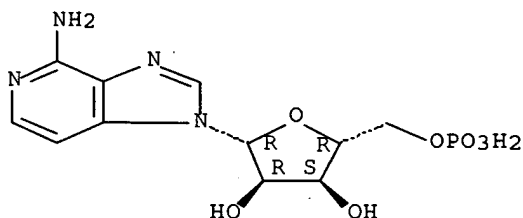


IT 57024-61-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 57024-61-0 HCAPLUS
 CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(3,5-O-phosphinico-β-D-ribofuranosyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

IT 53037-84-6
 RL: BIOL (Biological study)
 (aminoacyl-tRNA-ribosome binding in relation to)
 RN 53037-84-6 HCAPLUS
 CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)-
 , homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 22626-95-5
 CMF C11 H15 N4 O7 P

Absolute stereochemistry.



L57 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 1975:98870 HCAPLUS Full-text
 DN 82:98870
 OREF 82:15795a,15798a
 TI Deazaadenosine polymers
 IN Ikehara, Morio
 PA Mitsubishi Chemical Industries Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 49099397	A	19740919	JP 1973-9309	19730122 <--
	JP 53043992	B	19781124		
PRAI	JP 1973-9309	A	19730122	<--	

ED Entered STN: 12 May 1984

AB 1-Deazaadenosine 5'-diphosphate (I) and/or 3-deazaadenosine 5'-diphosphate were polymerized by polynucleotide phosphorylase (II) [9014-12-4]. Thus, 6 mM I, 2 mM magnesium chloride [7786-30-3] and 4 units/ml II were added into a buffer solution containing 1 mM tris-HCL, mixed with water to 10 ml and pH 9, and heated at 37° for 28 hr to prepare 23% poly(1-deazaadenylic acid) [53037-83-5].

IT 53037-84-6P
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (manufacture of, catalysts for)
 RN 53037-84-6 HCAPLUS
 CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)-
 , homopolymer (9CI) (CA INDEX NAME)
 CM 1